

dents to the lowland landscape; it generally builds on the low branches of trees or bushes, heaping together a mass of sticks and leaves, in the centre of which is formed a shallow bowl, with softer materials. Each female lays 4 eggs; several pairs, however, usually occupy one nest, in which 20 or more eggs are often found. These are oval, or oblong oval, rounded at both ends, measuring from  $\frac{5}{16}$  by 1 inch, to  $1\frac{1}{2}$  by  $1\frac{3}{8}$ , seagreen, covered with a white chalky substance, removed by washing. In the absence of the birds, which, however, is rarely the case after incubation commences, the eggs are covered up with leaves. I have never heard of the Savanna blackbirds being taught to speak. Whenever a flock of Guinea fowls is feeding, the Ani are often to be found at hand, as it were keeping guard, and giving instant alarm on the approach of any one.

87. *COCYZUS DOMINICUS*.\* The May Witch is a constant resident in the island, and more common in the lowlands during the summer than *C. seniculus*. It breeds from March till July, and builds in the low branches of trees or shrubs, or on penguin fences. The nest is a structure of a few dry sticks, so loosely put together that it falls to pieces on any attempt to remove it; 3, rarely 4 eggs are laid; they are glaucous green oval, generally though not always round at both ends, and vary in size from  $1\frac{1}{4}$  by  $\frac{5}{8}$  to  $1\frac{3}{8}$  by 1 inch.

88. *COCYZUS SENICULUS*.—The nest of the black-eared Cuckoo is sometimes though not so frequently found in the same localities, and at the same times as those of its congener. The nidification, form, color and dimensions of the eggs are so like that the ownership of a nest can only be determined by the presence of the bird.

There is another Cuckoo often met with in the Mangrove swamps, on the seacoast, known as the Mangrove Cuckoo. It closely resembles the May Witch, except in its smaller size. It is, I think, only a visitor. This may be the *C. erythrophthalmus* or an allied species.

#### Descriptions of fourteen new species of MELANIDÆ and one PALUDINA.

BY ISAAC LEA.

*GONIOBASIS MILESII*.—Testâ lævi, subfusiformi, olivaceâ, evittatâ; spirâ subelevatâ; suturis irregulariter impressis; anfractibus senis, subinflatis; aperturâ submagnâ, subrhomboideâ, intus subfuscâ; labro acuto, vix sinuoso; columellâ purpureâ, parum incurvâ.

*Habitat*.—Tuseola County, Michigan, M. Miles, State Zoologist.

*GONIOBASIS LITHASIODES*.—Testâ lævi, subfusiformi, corneâ, evittâ; spirâ conoideâ; suturis impressis; anfractibus senis, subconstrictis, supernè planulatis; aperturâ grandiusculâ, rhomboideâ, intus albidâ; labro acuto, parum sinuoso; columellâ albâ, inflectâ, parum contortâ.

*Hab*.—Ohio, J. P. Kirtland, M. D.

*GONIOBASIS DECAMPII*.—Testâ plicatâ, infernè striatâ, valdè attenuatâ, tenui, corneâ, evittatâ; spirâ subulatâ; suturis linearibus, impressis; anfractibus instar denis, subconvexis, supernè plicis aliquantò flexis; aperturâ parvissimâ, subrhomboideâ, intus albidâ; labro acuto, parum sinuoso; columellâ albidâ incurvâ et contortâ.

*Hab*.—Huntsville, Alabama, Wm. H. DeCamp, M. D., Surgeon U. S. Army.

*GONIOBASIS INFORMIS*.—Testâ lævi, cylindrico-conicâ, tenebroso-cornea, evit-

\* This species is the *C. americanus*, or Yellow-billed Cuckoo, of Gosse. I find it, however, to be quite distinct from the North American bird, and identify it with the *C. dominicus*, of the older authors: a species generally referred to the *C. seniculus*, of Aud., *C. minor*, of Cabanis, Baird and others. (B.)

tatâ; spirâ parum exsertâ; suturis irregulariter impressis; aperturâ parvi-  
 usculâ, subovatâ, intus albidâ; labro acuto, valdè sinuoso; columellâ albâ et  
 valdè contortâ.

*Hab.*—Falls of the Ohio at Louisville, W. H. DeCamp, M. D.

**GONIOBASIS LOUISVILLENSIS.**—Testâ lævi, fusiformi, tenebroso-corneâ, evit-  
 tatâ; spirâ curtâ; suturis irregulariter impressis; anfractibus instar quinis,  
 subconvexis; aperturâ subgrandi, longo-ellipticâ, intus albâ; labro acuto, vix  
 sinuoso; columellâ albâ, supernè incrassatâ, aliquantò contortâ.

*Hab.*—Falls of the Ohio at Louisville, W. H. DeCamp, M. D.

**GONIOBASIS INFANTULA.**—Testâ lævi, fusiformi, tenebroso-corneâ, valdè vit-  
 tatâ; spirâ curtâ; suturis vix impressis; anfractibus quinis, supernè planula-  
 tis; aperturâ subgrandi, ovatâ, intus vittatâ; labro acuto, vix sinuoso; colu-  
 mellâ purpureâ, incrassatâ et contortâ.

*Hab.*—Falls of the Ohio at Louisville, W. H. DeCamp, M. D.

**GONIOBASIS ATERINA.**—Testâ lævi, subfusiformi, atrâ vel virido atrâ, crassius-  
 culâ; spirâ obtusâ; suturis regulariter impressis; anfractibus senis, con-  
 vexiusculis; aperturâ subgrandi, subovatâ, intus purpureâ, aliquantò albidâ;  
 labro acuto, vix sinuoso; columellâ infectâ, purpureâ, incrassatâ et contortâ.

*Hab.*—Gap Spring, Cumberland Gap; and Rogers' Spring, West of Fin-  
 castle, East Tennessee, Capt. S. S. Lyon, U. S. Army.

**GONIOBASIS PORRECTA.**—Testâ striatâ, attenuatâ, tenebroso-fuscâ, uno-vittatâ;  
 spirâ attenuatâ, acuminatâ; suturis valdè impressis; anfractibus novenis,  
 planulatis; aperturâ parvâ, ovatâ, intus albidâ vel tenebrâ; labro acuto,  
 parum sinuoso; columellâ infectâ et contortâ.

*Hab.*—Gap Creek and Spring, Cumberland Gap, East Tennessee, Capt. S. S.  
 Lyon, U. S. Army.

**GONIOBASIS VITATELLA.**—Testâ lævi vel subcarinatâ, conoideâ, tenebroso-  
 fuscâ, uno-vittatâ; spirâ subacuminatâ; suturis linearibus; anfractibus octo-  
 nis, planulatis; aperturâ parvâ, subrhomboideâ, intus tenebrâ; labro acuto,  
 parum sinuoso; columellâ infectâ et contortâ.

*Hab.*—Cumberland Gap, East Tennessee, Capt. S. S. Lyon, U. S. Army.

**GONIOBASIS CUMBERLANDIENSIS.**—Testâ lævi, acuminato-conoideâ, subtenui,  
 rufo-fuscâ; spirâ subelevatâ; suturis regulariter impressis; anfractibus octonis,  
 convexiusculis; aperturâ parviusculâ, subrhomboideâ, intus albidâ vel pur-  
 purecente; labro acuto, parum sinuoso; columellâ albidâ vel purpureâ, in-  
 flectâ et contortâ.

*Hab.*—Gap Spring, Cumberland Gap, Capt. Lyon; and Knoxville, Tennessee,  
 Wm. Spillman, M. D.

**TRYPANOSTOMA CURRIERANUM.**—Testâ carinatâ, valdè attenuatâ, tenebroso-  
 fusco-vittatâ; spirâ valdè exsertâ; suturis linearibus, vix impressis; anfrac-  
 tibus, instar denis, planulatis; aperturâ parvâ, rhomboideâ, intus vittatâ;  
 labro acuto, valdè sinuoso; columellâ albidâ et valdè contortâ.

*Hab.*—Florence, Alabama, W. H. DeCamp, M. D.

**TRYPANOSTOMA LYONII.**—Testâ lævi, conicâ, virido-corneâ, evittatâ; spirâ  
 subelevatâ; suturis impressis; anfractibus instar senis, convexis; aperturâ  
 parviusculâ, rhomboideâ, intus albidâ; labro acuto, valdè sinuoso; columellâ  
 albâ, infernè incrassatâ et contortâ.

*Hab.*—Cumberland River, near the Ford and Big Creek, south of Cumberland  
 Gap, East Tennessee, Capt. Lyon, U. S. Army.

**TRYPANOSTOMA CURTATUM.**—Testâ lævi, pyramidatâ, luteolâ, crassâ; spirâ  
 obtusâ; suturis irregulariter impressis; anfractibus instar septenis, planulatis,  
 1863.]

ultimo impresso ; aperturâ rhombicâ, intus albidâ ; labro acuto, expanso, valdè sinuoso ; columellâ incrassatâ, inflectâ et valdè contortâ.

*Hab.*—Powell's River, near Cumberland Gap, East Tennessee, Capt. Lyon, U. S. Army.

AMNICOLA CURRIERIANA.—Testâ lævi, suborbiculari, tenui, luteo-corneâ ; spirâ depressâ ; suturis impressis ; anfractibus quaternis, supernè geniculatâ ; aperturâ subconstrictâ, semi-lunatâ, intus diaphanâ ; labro acuto, expanso, retrorso ; columellâ incrassatâ, latâ et impressâ.

*Hab.*—Huntsville, Alabama, W. H. DeCamp, M. D.

PALUDINA MILESII.—Testâ lævi, subpyramidatâ, subcrassâ, imperforatâ ; spirâ exsertâ ; suturis valdè impressis ; anfractibus senis, subinflatis ; aperturâ parviusculâ, subovatâ ; labro acuto, parum sinuoso ; columellâ supernè et infernè parum incrassatâ.

*Hab.*—Branch Lake, Antrim County, Michigan, M. Miles.

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*June 2d.*

The President, Mr. LEA, in the Chair.

Twenty-three members present.

Mr. Vaux announced the death, on the 26th of May, of Mr. John McCaless, and on the 29th, of Dr. John Y. Clark, late members; and Mr. Lesley announced the death of Prof. C. G. C. Reinhardt, of Leyden, late a correspondent.

The following was presented for publication:

Descriptions of two new species of Spermophilus. By Robert Kennicott.

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*June 9th.*

The President, Mr. LEA, in the Chair.

Nineteen members present.

Mr. Cassin announced the death, on the 8th inst., of Edward Harris, of Moorestown, N. J., aged 64, late a member.

Dr. Slack exhibited a living specimen of *Capromys pilorides*, from Cuba.

The following was presented for publication :

Does the Moon influence the temperature of the Earth's atmosphere ?  
By James Lewis, M. D.

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*June 16th.*

The President, Mr. LEA, in the Chair.

Fifteen members present.

The following were presented for publication :

Descriptions of eleven new species of Exotic Unionidæ, and descriptions of twenty-four species of Unionidæ of the United States. By Isaac Lea.

[June,